

AOpen

Digital Signage Platform



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The AOpen digital signage platform

The ideal building block to design the perfect and most reliable total solution

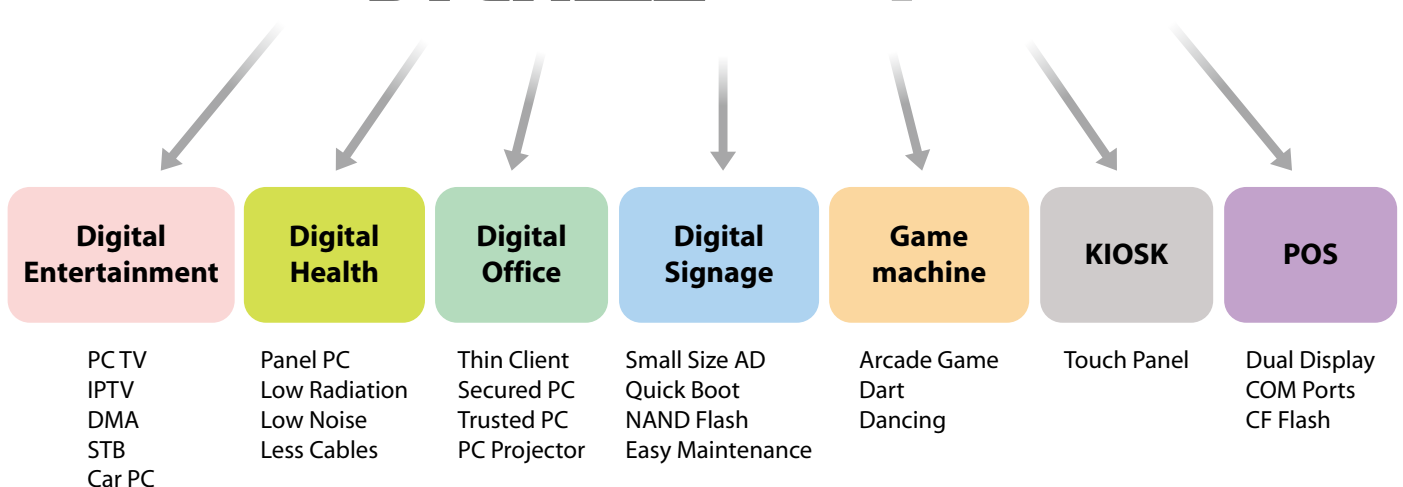
The AOpen Digital Engine® product line features different models, each with their own specifications to cater to different needs. The products can be applied in a wide variety of ways, like digital signage, kiosks, point of sales (POS), vending machines, medical applications, flight information systems and many more.

The Digital Engine is a unique Small Form Factor (uSFF) Media Player with fan or fanless. The compact size makes it easy to install behind a display without increasing the space between the wall and the display or to integrate in a kiosk or other specially designed presentation system. Each and every AOpen Digital Engine® has passed shock and vibration operation tests with 40,000 hours of MTBF, 8G operation shock and 0.5Grms operation vibration tests which guarantee their reliability.

AOpen's Digital Engine® series adapts MoDT technology – a technology that started a new standard for digital signage media player products which requires the machines to be energy saving, ultra silent, space saving and high in performance. Additionally, AOpen also provides mounting solutions and the Engine Core for multiple Digital Engine installations keeping the Digital Engines stacked in a safe and controllable rack.

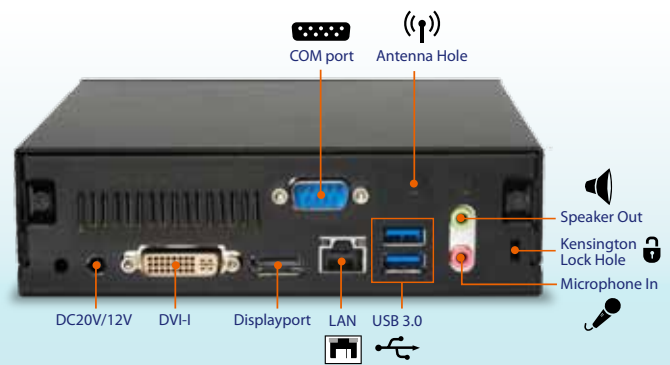
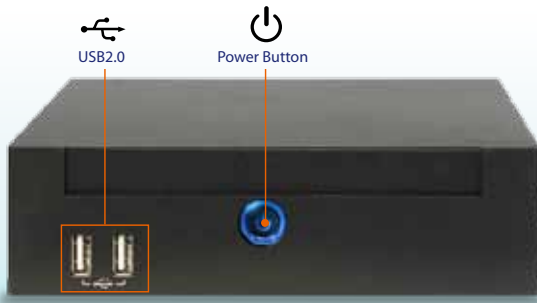


DIGITAL ENGINE



DIGITAL ENGINE

DE67-HA



| Model name | | DE67-HA |
|------------------|-------------------------------------|---|
| Feature | | Intel AMT 7.0 support |
| Housing Material | | SECC t=0.8 mm |
| Dimension | W x H x D (mm) | 166 x 48 x 157 mm |
| | W x H x D (in) | 6.54 x 1.89 x 6.18 inch |
| Volume(liters) | | 1.25L |
| Weight(Kg/Pound) | | 1.25 kg/2.75 pound (N.W.) |
| Form Factor | | mini-ATX |
| CPU | Socket | RPGA988B |
| | Type | Supports Intel Core i3,i5,i7 mobile processor TDP≤35W |
| Chipset | NB | Intel QM67 Chipset |
| | SB | |
| Memory | Dual Channel | Dual Channel |
| | Type | DDRIII SO-DIMM x 2 |
| | DDR | 1333 |
| | Max Memory | 8G (based on OS support) |
| Graphics | Chip | Integrated in CPU + QM67 |
| | DVI Port | x 1 |
| | Display Port | x 1 |
| Expansion | Mini Card Slot | Full size x 1, half size x 1 |
| Audio | Type | Realtek HD Audio Codec ALC662 |
| | Channel | Stereo/5.1 CH with HDMI |
| LAN | Intel Gigabit Ethernet WG82579LM | |
| | 10/100/1000 | |
| USB | USB 2.0 x 2, Front/USB3.0 x 2, Rear | |
| Storage | S-ATA Connector | x 1 (for 2.5"HDD and slim ODD) |
| Security | Trusted Platform Modules (TPM v1.2) | SLB9635TT1.2V1.03 |
| | Kensington Lock Hole | x 1 (Rear) |
| Storage Bay | Slot-in Slim ODD Bay | x 1 |
| | 2.5" SATA II HDD Bay | x 1 |

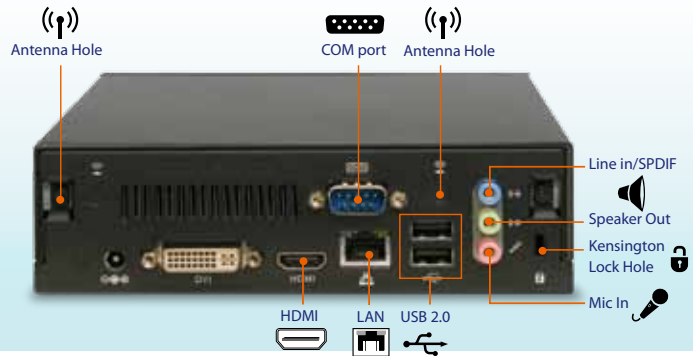
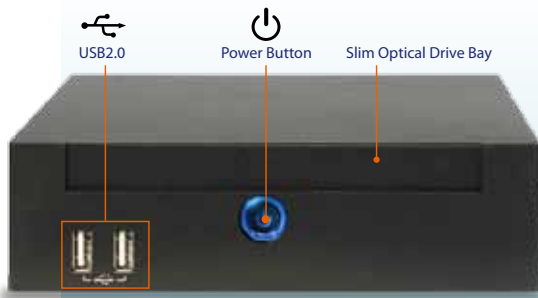
| | | | |
|-------------------------|--|---------------------------------|-----|
| Storage | S-ATA Connector | x 1 (for 2.5" HDD and slim ODD) | |
| Front Panel IO | Power Button | x 1 | |
| | HDD indicator (blue) | x 1 | |
| | Power indicator (blue) | x 1 | |
| | USB 2.0 Port | x 2 | |
| Rear Panel IO | DC Jack | x 1 | |
| | DVI Port | x 1 (include HDMI + VGA) | |
| | Display Port | x 1 | |
| | USB 3.0 Port | x 2 | |
| | RJ45 LAN Jack | x 1 | |
| | Legacy RS232 Serial Port (COM Port) | x 1 | |
| | Audio Set | Line-Out | x 1 |
| | | Mic-in | x 1 |
| | Upgrade for Antenna Port | x 2 | |
| | Kensington Lock Hole | x 1 | |
| CPU Thermal | Module | AOpen Thermal Module | |
| | Noise | 27dB | |
| WatchDog Timer | 1 ~ 255 SEC./min | | |
| Adapter | 90W (20V, 4.5A) AC Adapter | | |
| Input Voltage | AC 100 ~ 240V/DC 12V/20V | | |
| Environment | | | |
| MTBF | 40,000hrs | | |
| Operating Temperature | 0 ~ 50°C (32 ~ 122°F) | | |
| Storage Temperature | -30 ~ 60°C (-22 ~ 140°F) | | |
| Relative Humidity | 95% RH (50°C non-Condensing) | | |
| Operating Vibration | 0.5Gms, Random, 10 ~ 500Hz,X,Y,Z 3Axes, 0.5hr/Axis | | |
| Non-Operating Vibration | 2Gms, Random, 10 ~ 300Hz,X,Y,Z 3Axes, 1hr/Axis | | |
| Operating Shock | 8G, Half sine, 11ms duration | | |
| Non-Operating Shock | 50G, Half sine, 11ms duration | | |

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DIGITAL ENGINE

DE57-HA



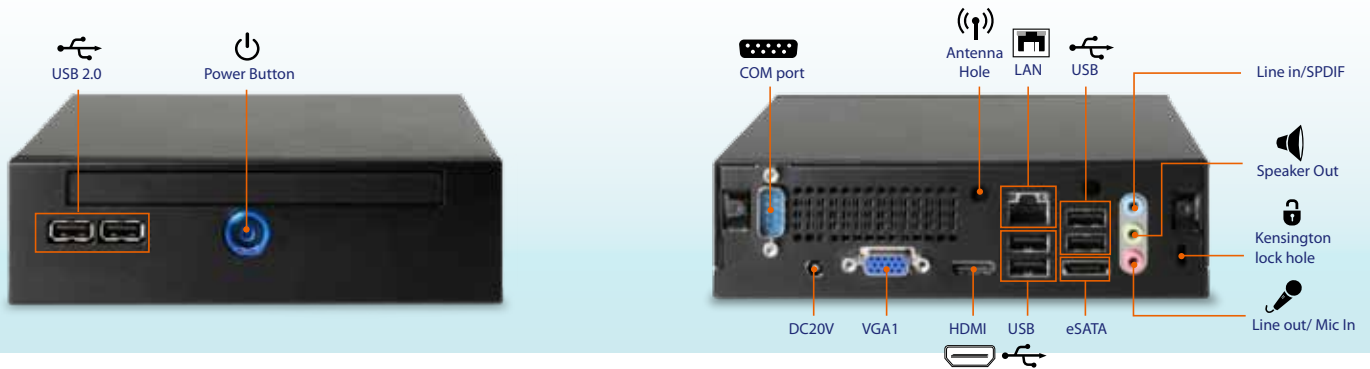
| Model name | | DE57-HA |
|-------------------|-------------------------------------|---|
| Feature | | Supports Intel AMT 6.0 |
| Part Number | | 91.ADE01.A120 |
| Housing Material | | SECC t=0.8 mm |
| Dimension | W x H x D (mm) | 166 x 48 x 157 mm |
| | W x H x D (in) | 6.54 x 1.89 x 6.18 inch |
| Volume (liters) | | 1.25L |
| Weight (Kg/Pound) | | 1.03 kg/2.27 pound (N.W.) |
| Form Factor | | mini-ATX |
| CPU | Socket | RPGA988B |
| | Type | Supports Intel Core i3,i5,i7 mobile processor TDP≤35W |
| Chipset | NB | Intel QM57 Chipset |
| | SB | |
| Memory | Dual Channel | Dual Channel |
| | Type | DDRIII SO-DIMM x 2 |
| | DDR | 800/1066 |
| | Max Memory | 8G (based on OS support) |
| Graphics | Chip | Integrated in CPU + QM57 |
| | DVI Port | x 1 |
| | VGA Port | x 1 (via Y cable) |
| | HDMI Port | x 1 |
| Expansion | Mini Card Slot | Full size x 1, half size x 1 |
| Audio | Type | Realtek HD Audio Codec ALC662 |
| | Channel | Stereo/5.1 CH with HDMI |
| LAN | | Intel Gigabit Ethernet WG82577LM 10/100/1000 |
| Storage | S-ATA Connector | x 1 (for 2.5" HDD and slim ODD) |
| Security | Trusted Platform Modules (TPM v1.2) | SLB9635TT1.2V1.03 |
| | Kensington Lock Hole | x 1 (Rear) |
| Storage Bay | Slot-in Slim ODD Bay | x 1 |
| | 2.5" SATA II HDD Bay | x 1 |

| | | | |
|-------------------------|-------------------------------------|---|-----|
| USB 2.0 | | x 4 (2 (Rear), 2 (Front)) | |
| Front Panel IO | Power Button | x 1 | |
| | HDD indicator (blue) | x 1 | |
| | Power indicator (blue) | x 1 | |
| | USB 2.0 Port | x 2 | |
| Rear Panel IO | DC Jack | x 1 | |
| | DVI Port | x 1 | |
| | HDMI | x 1 | |
| | USB 2.0 Port | x 2 | |
| | RJ45 LAN Jack | x 1 | |
| | Legacy RS232 Serial Port (COM Port) | x 1 | |
| | Audio Set | Line-in | x 1 |
| | | Line-out | x 1 |
| | | Mic-in | x 1 |
| | Antenna Hole | x 2 | |
| Kensington Lock Hole | x 1 | | |
| CPU Thermal | Module | AOpen Thermal Module | |
| | Noise | 27dB | |
| WatchDog Timer | | 1~255 SEC./min | |
| Adapter | | 90W (20V, 4.5A) AC Adapter | |
| Input Voltage | | AC 100 ~ 240V/DC 12V/20V | |
| Environment | | | |
| MTBF | | 40,000hrs | |
| Operating Temperature | | 0 ~ 50°C (32 ~ 122°F) | |
| Storage Temperature | | -30 ~ 60°C (-22 ~ 140°F) | |
| Relative Humidity | | 95% RH (50°C non-Condensing) | |
| Operating Vibration | | 0.5Gms, Random, 10 ~ 500Hz, X, Y, Z 3Axes, 0.5hr/Axis | |
| Non-Operating Vibration | | 2Gms, Random, 10 ~ 300Hz, X, Y, Z 3Axes, 1hr/Axis | |
| Operating Shock | | 8G, Half sine, 11ms duration | |
| Non-Operating Shock | | 50G, Half sine, 11ms duration | |

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DE7000



| Model name | | DE7000 |
|-------------------|--------------------------------|---|
| Part Number | | 91.ADE01.7010 |
| Housing Material | | SECC t=0.8 mm |
| Dimension | W x H x D (mm) | 166 x 48 x 164.1 mm |
| | W x H x D (in) | 6.54 x 1.89 x 6.46 inch |
| Volume (liters) | | 1.30L |
| Weight (Kg/Pound) | | 1.2 kg/2.64 pound (N.W.) |
| Form Factor | | mini-ATX |
| CPU | Socket | Socket P |
| | Type | Support Intel Core 2 Duo, CeleronM CPU (Penryn & Santa Rosa Refresh) TDP≤ 35W |
| | FSB | 667/800/1066 MHz |
| Chipset | NB | Nvidia MCP7A-LP Chipset |
| | SB | N/A |
| Memory | Dual Channel | Dual Channel |
| | Type | DDR3 SO-DIMM x 2 |
| | DDR | 800/1066/1333 |
| | Max Memory | 8G |
| | bNAND flash | N/A |
| Graphics | Chip | GeForce 9300 |
| | DVI Port | N/A |
| | VGA Port | x 1 |
| | HDMI Port | x 1 |
| Expansion | Mini PCI Slot | N/A |
| | Mini Card Slot | x 2 (PCIe x 1, USB+SIM bridge card slot x 1) |
| Audio | Type | Realtek HD Audio Codec ALC662 |
| | Channel | Stereo/5.1 CH with HDMI |
| | Line-Out (Front-Out L/R) | x 1 |
| | Mic-In (Central/Subwoofer out) | x 1 |

| Intel AMT Support | N/A | |
|-------------------------|--|--------------------------------------|
| LAN | Realtek Gigabit Ethernet x 1 | |
| | 10/100/1000 | |
| USB 2.0 | x 6 (4 (Rear), 2 (Front)) | |
| Storage | ATA Connector | N/A |
| | S-ATA Connector | x 2 (1 for 2.5" HDD, 1 for slim ODD) |
| Kensington Lock Hole | | x 1 (Rear) |
| Storage Bay | Slot-in Slim ODD Bay | x 1 |
| | 2.5" SATA II HDD Bay | x 1 |
| | CF Card socket | N/A |
| CPU Thermal | Module | AOpen Thermal Module |
| | Noise | 27dB |
| WatchDog Timer | 1 ~ 255 SEC./min | |
| Adapter | 90W (20V, 4.5A) AC Adapter | |
| Input Voltage | AC 100 ~ 240V/DC 12V/20V | |
| Environment | | |
| MTBF | 40,000hrs | |
| Operating Temperature | 0 ~ 50°C (32 ~ 122°F) | |
| Storage Temperature | -30 ~ 60°C (-22 ~ 140°F) | |
| Relative Humidity | 90% RH (40°C non-Condensing) | |
| Operating Vibration | 0.5Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis | |
| Non-Operating Vibration | 2Grms, Random, 10 ~ 300Hz, X,Y,Z 3Axes, 1hr/Axis | |
| Operating Shock | 8G, Half sine, 11ms duration | |
| Non-Operating Shock | 50G, Half sine, 11ms duration | |

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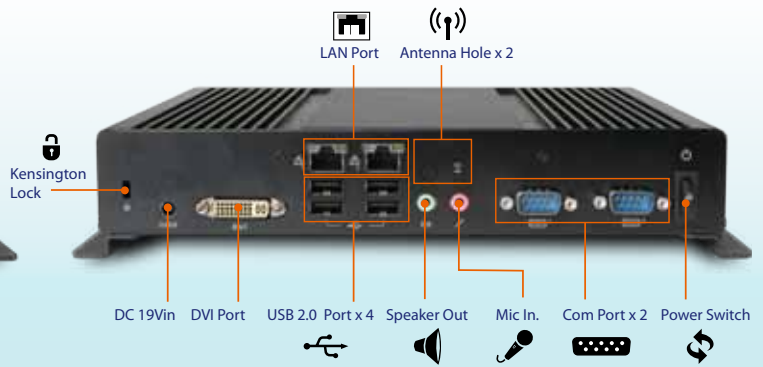


DIGITAL ENGINE

DEX2750



HDD Indicator Power Indicator CF Slot



Kensington Lock DC 19Vin DVI Port USB 2.0 Port x 4 LAN Port Antenna Hole x 2 Speaker Out Mic In. Com Port x 2 Power Switch

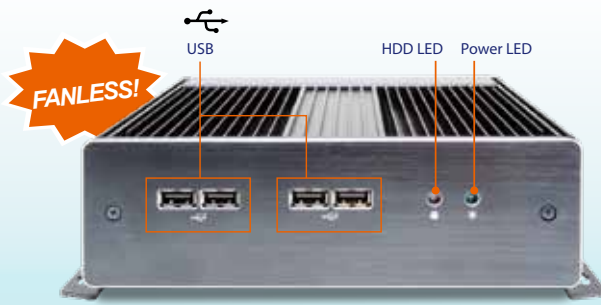
| Model name | | DEX2750 |
|------------------|-------------------|---------------------------------------|
| Part number | | 91.DE201.I220 |
| Housing Material | | SECC/Aluminum |
| Dimension | W x H x D (mm) | 252 x 42.8 x 165 mm |
| | W x H x D (in) | 9.92 x 1.68 x 6.50 inch |
| Volume(liters) | | 1.78L |
| Weight(Kg/Pound) | | 1.66 kg/3.65 pound (N.W.) |
| Form Factor | | mini-ATX |
| CPU | Socket | BGA |
| | Type | Intel Atom N270 1.6GHz CPU (INCLUDED) |
| | FSB | 533 MHz |
| Chipset | NB | Intel 945GSE Chipset |
| | SB | ICH7M |
| Memory | Dual Channel | Single Channel |
| | Type | DDRII SO-DIMM x 1 |
| | DDR | 533 |
| | Max Memory | 2GB |
| bNAND flash | | N/A |
| Graphics | Chip | Intel GMA 950GSE |
| | DVI Port | x 1 |
| | VGA Port | x 1 (via DVI to VGA converter) |
| | HDMI Port | N/A |
| | Multi-TV Out Port | N/A |
| Expansion | Mini PCI Slot | N/A |
| | Mini Card Slot | x 1 |
| Audio | Type | Realtek HD Audio Codec ALC662 |
| | Channel | Stereo |

| USB2.0 | x 4 |
|---------------------------------|---|
| Intel AMT Support | N/A |
| LAN | Realtek Gigabit Ethernet x 2 |
| | 10/100/1000 |
| Storage | S-ATA Connector x 1 (for 2.5" HDD) |
| Kensington Lock Hole x 1 (Rear) | |
| Storage Bay | Front CF Bay x 1 |
| | 2.5" SATA II HDD Bay x 1 |
| CPU Thermal | Module AOpen FANLESS Thermal Module |
| | Noise 0dB |
| WatchDog Timer 1 ~ 255 SEC. | |
| Adapter | 65W (12-19V, 3.42A) AC Adapter |
| Input Voltage | AC 100 ~ 240V/DC 12V/19V |
| Environment | |
| MTBF | 40,000hrs |
| Operating Temperature | 0 ~ 40°C (32 ~ 113°F) |
| Storage Temperature | -30 ~ 65°C (-4 ~ 140°F) |
| Relative Humidity | 90%RH (40°C non-Condensing) |
| Operating Vibration | 0.5Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis with 2.5" SATA HDD |
| | 2Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis with CF Card |
| Non-Operating Vibration | 2Gms, Random, 10 ~ 300Hz, X,Y,Z 3Axes, 1hr/Axis |
| Operating Shock | 8G, Half sine, 11ms duration |
| Non-Operating Shock | 50G, Half sine, 11ms duration |

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DEX4502



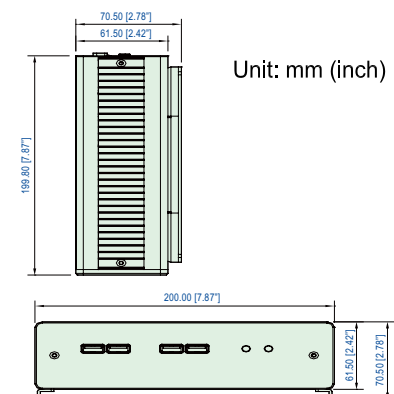
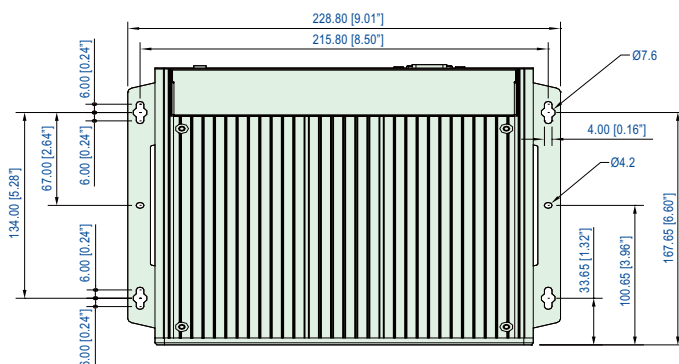
| | | |
|--------------------------|---------------------------|--|
| Model name | DEX4502 | |
| Part Number | 91.DE201.I520 | |
| Housing Material | SECC/Aluminum | |
| Dimension | W x H x D (mm) | 200 x 60 x 200 mm |
| | W x H x D (in) | 7.87 x 2.36 x 7.87 inch |
| Volume (liters) | 2.4L | |
| Weight (Kg/Pound) | 2.85 kg/6.27 pound (N.W.) | |
| Form Factor | mini-ITX | |
| CPU | Socket | Socket P |
| | Type | Support intel Penryn Core 2 Duo CPU TDP=35W |
| | FSB | 667/800/1066 MHz |
| Chipset | NB | Intel GM45 chipset |
| | SB | ICH9M |
| Memory | Dual Channel | Dual Channel |
| | Type | DDRII SO-DIMM x 2 |
| | DDR | 667/800 |
| | Max Memory | 8GB |
| Graphics | Chip | Intel GMA X4500 MHD |
| | DVI Port | x 1 |
| | VGA Port | x 1 (via DVI-to-VGA converter) |
| | HDMI Port | x 1 |
| Expansion Slot | Mini Card Slot | x 2 |
| Audio | Type | Realtek HD Audio Codec ALC888 |
| | Channel | 7.1 CH |
| LAN | Intel Gigabit Ethernet | |
| USB 2.0 | x 8 (4 Rear, 4 Front) | |
| Intel AMT Support | N/A | |
| WatchDog Timer | 1 ~ 255 SEC./min | |

| | | |
|----------------------|-----------------------------|--|
| Storage | S-ATA Connector | x 3 |
| Security | Kensington Lock Hole | x 1 (Rear) |
| Storage Bay | 2.5" SATA II HDD Bay | x 1 |
| CPU Thermal | Module | AOpen Proprietary Fanless Thermal Solution |
| | Noise | 0dB |
| Adapter | 90W (20V, 4.5A) AC Adapter | |
| Input Voltage | AC 100 ~ 240V/DC 12V/20V | |

| Environment | |
|--------------------------------|--|
| MTBF | 40,000hrs |
| Operating Temperature | -5 ~ 40°C (23 ~ 104°F) |
| Storage Temperature | -20 ~ 60°C (-4 ~ 140°F) |
| Relative Humidity | 90% RH (40°C non-Condensing) |
| Operating Vibration | 0.5Grms, random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis |
| Non-Operating Vibration | 2Grms, random, 10 ~ 300Hz, X,Y,Z 3Axes, 1hr/Axis |
| Operating Shock | 8G, Half sine, 11 ms duration |
| Non-Operating Shock | 50G, Half sine, 11ms duration |

| Accessory | |
|-----------------------------------|-------------------------|
| HDMI To DVI Cable (1500mm) | x 1 |
| SATA to CF Bridge Board | x 1 |
| AC Adapter | 90W PWR 20V Adapter x 1 |
| Power Cord | x 1 |
| L Type Holder | x 1 |
| DVI to VGA converter | x 1 |
| Power Clamp | x 2 |
| Utilities & Drivers CD | x 1 |
| Assembly Guide | x 1 |

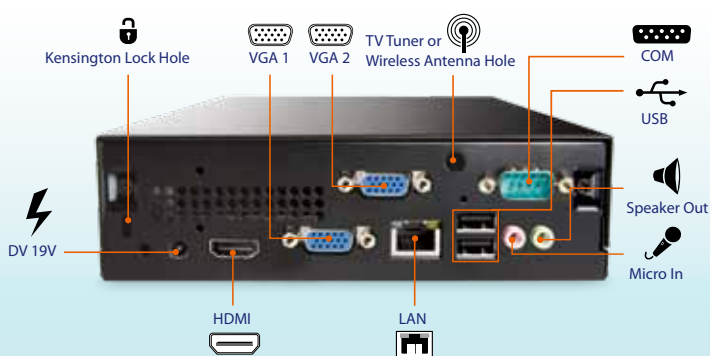
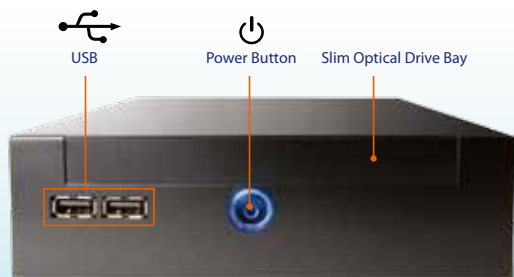
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Unit: mm (inch)

DIGITALENGINE

DE45-HA/DE45-Pro



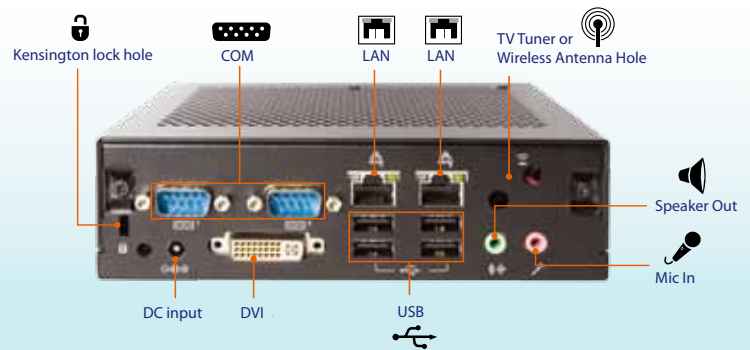
| Model name | | DE45-HA | DE45-Pro |
|-------------------|----------------|---|---------------------------|
| Part Number | | 91.ADE01.V520 | 91.ADE01.I520 |
| Housing Material | | SECC t=0.8 mm | |
| Dimension | W x H x D (mm) | 166 x 45 x 157 mm | |
| | W x H x D (in) | 6.54 x 1.89 x 6.18 inch | |
| Volume (liters) | | 1.25L | |
| Weight (Kg/Pound) | | 1.22 kg/2.68 pound (N.W.) | 1.23 kg/2.72 pound (N.W.) |
| Form Factor | | mini-ATX | |
| CPU | Socket | Socket P | |
| | Type | Support Intel Core 2 Duo, CeleronM CPU (Penryn & Santa Rosa Refresh) TDP≤ 35W | |
| | FSB | 667/800/1066 MHz | |
| Chipset | NB | Intel GM45 Chipset | |
| | SB | ICH9M-E | ICH9M |
| Intel AMT Support | | Support AMT4.0 | N/A |
| Memory | Dual Channel | Dual Channel | |
| | Type | DDRII SO-DIMM x 2 | |
| | DDR | 667/800 | |
| | Max Memory | 8GB | 4GB |
| | bNAND flash | N/A | |
| Graphics | Chip | Intel GMA X4500MHD | |
| | DVI Port | N/A | |
| | VGA Port | x 2 | |
| | HDMI Port | x 1 | |
| Expansion Slot | Mini PCI Slot | N/A | |
| | Mini Card Slot | x 1 | |
| Audio | Type | Realtek HD Audio Codec ALC662 | |
| | Channel | 5.1 CH with HDMI | |
| USB2.0 | | x 4 (2 (Rear), 2 (Front)) | |

| | | |
|-------------------------|-------------------------------------|--|
| LAN | | Intel Gigabit Ethernet W82567LM |
| | | 10/100/1000 |
| Storage | ATA Connector | N/A |
| | S-ATA Connector | x 2 (for 2.5" HDD and Slim Optical) |
| Security | Trusted Platform Modules (TPM v1.2) | N/A |
| | Kensington Lock Hole | x 1 (Rear) |
| Storage Bay | Front CF Bay | x 1 |
| | 2.5" SATA II HDD Bay | x 1 |
| | CF card socket | N/A |
| CPU Thermal | Module | AOpen Thermal Module |
| | Noise | 27dB |
| WatchDog Timer | | 1 ~ 255 SEC./min |
| Adapter | | 90W (20V, 4.5A) AC Adapter |
| Input Voltage | | AC 100 ~ 240V/DC 12V/20V |
| Environment | | |
| MTBF | | 40,000hrs |
| Operating Temperature | | 0 ~ 50°C (32 ~ 122°F) |
| Storage Temperature | | -30 ~ 65°C (-22 ~ 149°F) |
| Relative Humidity | | 95% RH (50°C non-Condensing) |
| Operating Vibration | | 0.5Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis |
| Non-Operating Vibration | | 2Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis |
| Non-Operating Vibration | | 2Gms, Random, 10 ~ 300Hz, X,Y,Z 3Axes |
| Operating Shock | | 8G, Half sine, 11ms duration |
| Non-Operating Shock | | 50G, Half sine, 11ms duration |

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DE2700



| Model name | | DE2700 |
|-------------------|--------------------------------|---------------------------------------|
| Part Number | | 91.ADE01.J220 |
| Housing Material | | SECC t=0.8 mm |
| Dimension | W x H x D (mm) | 166 x 48 x 157 mm |
| | W x H x D (in) | 6.54 x 1.89 x 6.18 inch |
| Volume (liters) | | 1.25L |
| Weight (Kg/Pound) | | 1.22 kg/2.68 pound (N.W.) |
| Form Factor | | mini-ATX |
| CPU | Socket | BGA |
| | Type | Intel Atom N270 1.6GHz CPU (INCLUDED) |
| | FSB | 533 MHz |
| Chipset | NB | Intel 945GSE Chipset |
| | SB | ICH7M |
| Memory | Dual Channel | Single |
| | Type | 1GB DDRII SO-DIMM x 1(INCLUDED) |
| | DDR | 533 |
| | Max Memory | 2GB |
| Graphics | Chip | Intel GM 950GSE |
| | VGA Port | x 1 (via DVI to VGA converter) |
| | DVI | x 1 |
| Audio | Type | Realtek HD Audio Codec ALC662 |
| | Channel | Stereo |
| | Line-Out (Front-Out L/R) | x 1 |
| | Mic-In (Central/Subwoofer out) | x 1 |
| Expansion | Mini Card Slot | x 1 |

| Intel AMT Support | | N/A |
|-------------------------|------------------------------|--|
| LAN | Realtek Gigabit Ethernet x 2 | |
| | 10/100/1000 | |
| USB 2.0 | | x 4 |
| Storage | S-ATA Connector | x 1 (for 2.5" HDD) |
| Kensington Lock Hole | | x 1 (Rear) |
| Storage Bay | Front CF Bay | x 1 |
| | 2.5" SATA II HDD Bay | x 1 |
| CPU Thermal | Module | AOpen FANLESS Thermal Module |
| | Noise | 0dB |
| WatchDog Timer | | 1 ~ 255 SEC. |
| Adapter | | 65W (12-19V, 3.42A) AC Adapter |
| Input Voltage | | AC 100 ~ 240V/DC 12V/19V |
| Environment | | |
| MTBF | | 40,000hrs |
| Operating Temperature | | 0 ~ 40°C (32 ~ 104°F) |
| Storage Temperature | | -20 ~ 60°C (-4 ~ 140°F) |
| Relative Humidity | | 90% RH (40°C non-Condensing) |
| Operating Vibration | | 0.5Grms, Random, 10 ~ 500Hz, X,Y,Z 3Axes, 0.5hr/Axis |
| Non-Operating Vibration | | 2Grms, Random, 10 ~ 300Hz, X,Y,Z 3Axes, 1hr/Axis |
| Operating Shock | | 8G, Half sine, 11ms duration |
| Non-Operating Shock | | 50G, Half sine, 11ms duration |

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| Model name | WT22M-RH |
|----------------------|---|
| Dimensions | 532 x 332 x 60 mm (W x H x D) |
| Weight | 9kg/19.84 lbs |
| CPU | Supports Socket G2 Intel Sandy Bridge CPU 1066/1333 MHz |
| CPU Thermal | AOpen Silent Tek Thermal Module Noise 24dB (idle mode) |
| Chipset | Intel QM67 |
| Memory | Dual Channel DDRIII SO-DIMM x 2 1066/1333MHz Max Memory: 4G |
| Graphics | CPU build-in VGA Output x 1 VGA Input (Monitor) x 1 |
| LAN | Dual Intel Gigabit Ethernet 10/100/1000 |
| Audio | Realtek HD Audio Codec ALC886 5.1 Channel |
| Expansion slot | Mini card Slot x 2 |
| Memory | S-ATA Connector x 1 (for 2.5" HDD) |
| LCD (LED Back light) | Default Resolution : 21.5" (1920 x 1080) Maximum Brightness : 250 nits |
| Touch Panel | Multi Touch 4 Wire Resistive, driver support 10 points |
| Aspect Ratio | 16:9 |
| Button/Indicator | Power Button, Monitor Function Buttons, HDD indicator (blue) x 1 Power indicator (blue) x 1 |
| System I/O | DC 19V20V Jack x 1 VGA In Port (Monitor) x 1 RS232 Port (Monitor) x 2 VGA Out Port x 1 (Duplex and External Mode) RJ45 LAN Jack x 2 USB 2.0 x 6 PC Legacy RS232 Serial Port (COM Port) (R1/5V/12 by Jumper Setting) x 4 RS485 or RS422 (COM2 by Jumper Setting) x 1 RJ11 for Cash Drawer (12V/20V by Jumper) x 1 PC Legacy Printer Port x 1 Audio Line-in x 1, Line-out x 1, Mic-in x 1 Upgrade for Antenna Port x 3 Kensington Lock Hole x 1 |
| Webcam | 1.3MP x 1 |
| Mic | High Sensitivity Mic x 1 |
| Mounting Kit | Wall Mount Kit x 1 |
| Adapter | 90W (20V, 4.5A) AC Adapter |
| WatchDog Timer | 1 sec ~ 255 min |
| Accessories | 90W PWR Adapter x 1 Power Cord x 1 Utilities & Drivers CD x 1 EIG x 1 |



WT22M-RH

• For public professional panel PC design

- Cable Clamp, Cable Cover, Key Lock, Rugged VESA Hole
- Rugged housing and IP54 dust & water proof display front design. Body IPX1 water resistant design
- No harmful sharp edges to prevent possible injury
- Ultra Slim, WT22M-RH is 60mm thick
- Slim HDD bay design for easy service

• Rich I/O ports provide excellent peripheral connectivity

- RJ-45 RS232 x 4 (COM2 option RS485/422), such as Barcode scanner
- Parallel Port (PRT), such as traditional printer
- RJ-11 for cash drawer
- USB x 6, mini Card x 2, Dual LAN, IR Receiver (WT22M-RH support vPRO_AMT)

• Best and Fresh Platform

- Main Stream Panel. Full HD +LED B/L Panel. (WT22M- RH use 21.5" 1920 x 1080. LED B/L)
- Sandy Bridge CPU & QM67 Chipset (WT22M-RH)- DDR3 Memory



Waterproof

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WT19P-TA

The WT19P is an all-in-one digital signage and touchscreen computing solution which includes energy efficient dual core Intel Atom 330 processor. Provide customers with a hands-on interactive experience that can be used for menus, directories, kiosks and many more.

| Model name | | WT19P-TA |
|----------------|----------------|---|
| Part Number | | 91.WT100.T110 |
| Dimensions | H x W x D (mm) | 305.9 x 460 x 81.7 mm |
| | H x W x D (in) | 12 x 18.1 x 3.2 inch |
| Net Weight | | 6.1 Kg/13.45 lbs |
| CPU | | Supports Intel ATOM 330 1.6 GHz Dual Core Processor 533 MHz |
| CPU Thermal | | AOpen Silent Tek Thermal Module Noise 24dB (idle mode) |
| Chipset | | Intel 945GC + ICH7 |
| Memory | | Single Channel DDRII Long-DIMM x 1 DDRII 533 Max Memory: 2GB |
| Graphics | | Intel GMA 950 VGA-out Port x 1, VGA-in Port x 1 |
| LAN | | Realtek Gigabit Ethernet 10/100/1000 |
| Audio | | Realtek HD Audio Codec ALC662 5.1 Channel |
| Expansion Slot | | Mini Card Slot x 1 |
| Storage | | 120GB 2.5" SATA HDD 9-in-1 media card reader Slim ODD Bay x 1 |
| LCD | | Native Resolution: 19" (1440 x 900) Maximum Brightness: 250 nits ; Back Light Type: CCFL |
| Touch Panel | | 5-Wire Resistive |
| Aspect Ratio | | 16:10 |
| Side Panel I/O | | Power Button x 1 Power indicator (blue) x 1 |
| Rear I/O | | DC 19V Jack x 1 VGA-in Port (Monitor) x 1 RS232 Port (Monitor) x 1 VGA-out Port (Duplex Screen Mode Only) x 1 USB 2.0 Port x 2; RJ45 LAN Jack x 1 Audio Line-in x 1; Line-out x 1; Mic-in x 1 Upgrade for Antenna Port x 3 Kensington Lock Hole x 1 |
| Webcam | | 1.3MP x 1 |
| Mic | | High Sensitivity Mic x 1 |
| Mounting Kit | | Wall Mount Kit x 1 |
| Adapter | | 65W (19V, 3.42A) AC Adapter AC 100 ~ 240V |
| WatchDog Timer | | 1~ 255 SEC./min |
| Accessories | | 65W Power Adapter x 1; Power Cord x 1 Utilities & Drivers CD x 1; EIG x 1 |



WT19P-TA



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Small Display

WT10P-TS



- 10.1" signage board with 16:9 resolution, 300 nits high brightness LCD
- Auto-play starts playing scheduled content automatically when power is re-established
- Automatic error recovery with built-in WDT
- Real-time clock keeps time for up to 1 year unplugged
- Automatic NTP keeps time and date in sync
- Supported media

- Image: JPEG baseline, up to 12 megapixels
- Audio: MPEG L2 or MP3, to 320Kbps
- Video: Divx, MPEG-1 or MPEG-4 ASP, 500~200Kbps (720 x 400) resolution 16:9 content recommended

*NOTE: MPEG 2 video is NOT supported



• 75mm x75mm VESA mount built-in



• DC Clamp (power Jack latch) to prevent power being unplugged



• Wi-Fi 802.11 b/g/b build-in. USB to wire 10/100 LAN

| Model name | WT10P-TS |
|------------------------|--|
| Ethernet | VIA PDE-100 Adapter to RJ45 |
| Wi-Fi | Wireless b/g (2.4GHz only) |
| Media format support | |
| SML compatible | YES |
| Performance | 720 x 400 video |
| Video codec (optimal) | MPEG-4 ASP (720 x 400)/(640 x 480) MPEG-1 Bitrates up to 2Mbps |
| Image codec (optional) | JPEG (800 x 480) |
| Audio codec | MPEG L2/MP3 up to 320Kbps |
| Hardware | |
| Display | 10" LCD 800 x 480 300-nits brightness |

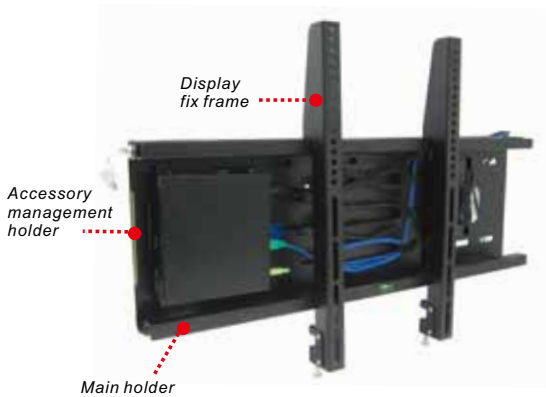
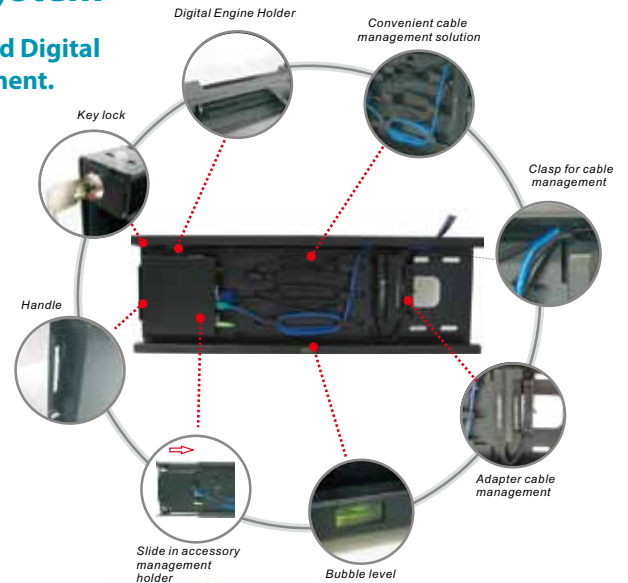
| Hardware | |
|------------------------|---|
| Sound | 1.5W x 2 |
| Mounting | VESA MIS-D 75 mounting point (75 x 75 mm) |
| Local storage | On-board 2 GB flash memory (120 min of SD video@2Mbps) SDHC card slot (Ma x 4 GB) |
| Power consumption | 9 watts |
| Power supply | 12V 1.5A |
| Dimensions (W x H x D) | 271 x 185 x 29 mm 10.6 x 7.28 x 1.14 inch |
| Weight | 663g/1.46lbs. |
| Environment | Operating temperature: 0 ~ 40°C Humidity 5 ~ 85% @40°C non-condensing |
| WatchDog Timer | CE/FCC/RoHS |
| Standard accessories | Power adapter PDE-100 with Ethernet cable Display stand |

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All-in-One Digital Signage Management System

Universal mounting and cable management solution for displays and Digital Engines, which are protected inside a lockable embedded compartment.

- Supports 32"- 65" digital signage displays
- Max weight capacity:
50kg (for Titan One 530 model) and 80kg (for Titan One 800 model)
- Choose portrait or landscape mounting
- Embeds Digital Engine, power adapter, cable management and wireless kits
- Adjustable display angle: 0 - 20 degrees (ceiling mount/wall mount)
- Protects Digital Engines from dust
- All-in-one design allows for easy maintenance



Professional mounting solution with embedded Digital Engine inside

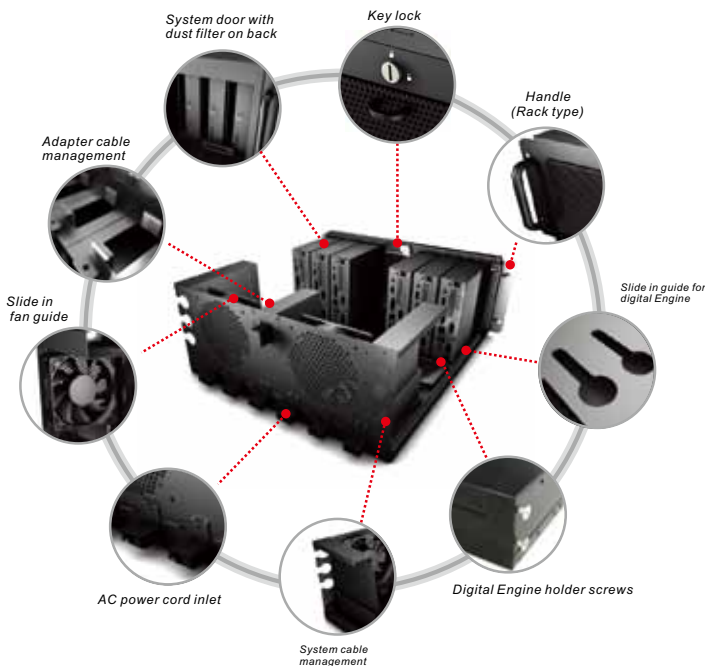


Titan One: Ceiling-mount type



Titan One: Wall-mount type

4U Rack for Digital Engine





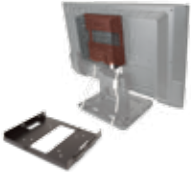


ENGINECORE

Consolidate Digital Engines™ with the Engine Core - an innovative central control solution for network environments. Enhances security, monitoring and protection from data loss via a hardware-centric approach. Also provides a green IT, easy-maintenance solution for cluster (parallel) computing.


- Dimensions:
177(H) x 440(W) x 405(D) mm (rack-mount type)
177(H) x 440(W) x 445(D) mm (stand-alone type)
- Six Digital Engine Slots
Digital Engine Slots: 48(H) x 167(W) x 158(D) mm
Power Adapter (95W) x 6
- Cooling Fans (12cm) x 2
- 12V Adapter x 1 (for cooling fans)
- Key Locks for Front Door and Upper Case
- Changeable Dust Filter Behind the Front Door
- Front USB 2.0 and A/V Access (optional)
- Detachable Front Handle for Rack-Mount or Stand-Alone Engine Cores
- Fits 19" 4U Rack-Mount Cases or can be used as a Stand-Alone Engine Core Server
- Slide-In/Out Digital Engine Slots: Easy System Assembly and Maintenance
- Cable Management Solutions

Holders

| |  |  |
|----------------------|---|---|
| Model Name | LH01 | LH02 |
| Product Name | L Bracket | L Bracket |
| Mountability | AOpen Proprietary Dimension | AOpen Proprietary Dimension |
| Application | Horizontal Application Vertical Application | Horizontal Application Vertical Application |
| Support Model | DE45-Pro/DE7000/DE2700/DE67-HA/DE45-HA/DE57-HA/DE35-HD | DE45-Pro/DE7000/DE2700/DE67-HA/DE45-HA/DE57-HA/DE35-HD |

| |  |  |  |
|----------------------|---|---|---|
| Model Name | VM02 | VM03 | VM04 |
| Product Name | LCD Back Mount Kit | LCD Back Mount Kit w/Cover | U Bracket |
| Mountability | VESA Standard | VESA Standard | VESA Standard |
| Application | To mount Digital Engine on the back of the display with 75 x 100mm VESA FDMI (Flat Display Mounting Interface) compliant holes. | To mount Digital Engine on the back of the display with 75 x 100mm VESA FDMI (Flat Display Mounting Interface) compliant holes. (with Cable Management) | To mount Digital Engine on the back of the Panel with 75 x 100mm VESA FDMI (Flat Display Mounting Interface) compliant holes. |
| Support Model | DE45-Pro/ DE7000/ DE2700/ DE67-HA/ DE45-HA/ DE57-HA/ DE35-HD | DE45-Pro/ DE7000/ DE2700/ DE67-HA/ DE45-HA/ DE57-HA/ DE35-HD | DE45-Pro/ DE7000/ DE2700/ DE67-HA/ DE45-HA/ DE57-HA/ DE35-HD |

Accessories

| |  |  |  |  |
|----------------------|---|---|--|--|
| Model Name | TV Tuner Kit (DVBT) | 802.11b/g/n Wireless kit | UB01-USB Kit | SB01-CF to 2.5" SATA HDD Bridge Board |
| AOpen P/N | 90.MA610.0020 | 60.MA558.0310 | 91.ADE49.0010 | 91.MA601.0410 |
| EAN Code | 4712601-293322-3 | 471260-2947435 | 4712602946964 | |
| Slot | Mini Card Slot | | USB | SATA |
| Interface | MPCle | | | |
| Module Board | Analog/DVB-T TV Yuan HybridTV Mini Card (Analog TV includes PAL, SECAM, NTSC) | 802.11b/g 54Mbps Wireless LAN PCI Express Mini Card | NA | CF 2,5" SATA utilizing 2,5" HDD Bay |
| Support Model | DEX4502/ DE45-Pro/ DE7000 | DEX4502/ DE45-Pro/ DE7000 | DE45-Pro/ DE57-HA/ DE7000 | DE45-Pro/ DEX4502/ DE7000 |